
Subject: How do I incorporate two or more subroutines from a main program

Posted by iansmith@bigpond.net on Thu, 30 Oct 2014 22:51:40 GMT

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At present I have inherited code which has a subroutine to read data from external file/s and a main program which prepares and plots selected variables from the data.

The structure is the read subroutine followed by the main program,

I now wish to execute a cubic spline fit to the plotted data and may wish to use a third party routine which I guess would be added as a separate subroutine called from my main program where, I assume I must define the called variables.

My question is does the additional subroutine also precede the main program ?

I would welcome advice

Ian

Subject: Re: How do I incorporate two or more subroutines from a main program

Posted by [Craig Markwardt](#) on Thu, 30 Oct 2014 23:13:27 GMT

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On Thursday, October 30, 2014 6:51:43 PM UTC-4, ians...@bigpond.net.au wrote:

> My question is does the additional subroutine also precede the main program ?

You can do it that way.

IDL has a set way that it looks for subroutines. It looks in the current working directory first, and then it looks in the directories listed in your IDL path.

So the easiest way is to actually just copy or move your third party subroutines to the current working directory (the same directory where your main program is). IDL should compile it automatically when you put that subroutine name into your main program.

Craig

Subject: Re: How do I incorporate two or more subroutines from a main program

Posted by [David Fanning](#) on Thu, 30 Oct 2014 23:26:22 GMT

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iansmith@bigpond.net.au writes:

> At present I have inherited code which has a subroutine to read data from external file/s and a main program which prepares and plots selected variables from the data.

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> My question is does the additional subroutine also precede the main program ?

Here is advice for how to install *any* third party library or set of routines in IDL.

http://www.idlcoyote.com/code_tips/installcoyote.php

You might also be interested in the 10 most common errors IDL programmers make:

http://www.idlcoyote.com/code_tips/mostcommon.html

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: How do I incorporate two or more subroutines from a main program
Posted by iansmith@bigpond.net on Fri, 31 Oct 2014 00:53:19 GMT

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On Friday, October 31, 2014 9:51:43 AM UTC+11, ians...@bigpond.net.au wrote:

> At present I have inherited code which has a subroutine to read data from external file/s and a main program which prepares and plots selected variables from the data.
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> The structure is the read subroutine followed by the main program,
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> I now wish to execute a cubic spline fit to the plotted data and may wish to use a third party routine which I guess would be added as a separate subroutine called from my main program where, I assume I must define the called variables.
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> My question is does the additional subroutine also precede the main program ?
>
> I would welcome advice
>

> Ian

Thank you Craig and David you have been very helpful

Cheers

Ian
